



Multiple Exposures and Coexposures to Occupational Hazards Among Agricultural Workers: A Systematic Review of Observational Studies

Submitted by Beatrice Guillaumat on Wed, 08/28/2019 - 16:37

Titre	Multiple Exposures and Coexposures to Occupational Hazards Among Agricultural Workers: A Systematic Review of Observational Studies
Type de publication	Article de revue
Auteur	Nguyen, Thi-Hai-Yen [1], Bertin, Mélanie [2], Bodin, Julie [3], Fouquet, Natacha [4], Bonvallot, Nathalie [5], Roquelaure, Yves [6]
Editeur	Elsevier
Type	Article scientifique dans une revue à comité de lecture
Année	2018
Langue	Anglais
Date	Septembre 2018
Pagination	239-248
Volume	9
Titre de la revue	Safety and Health at Work
ISSN	2093-7911
Mots-clés	Agricultural workers [7], Coexposures [8], Multiple exposures [9], Occupational hazards [10]
Résumé en anglais	<p>Background: Workers may be exposed to various types of occupational hazards at the same time, potentially increasing the risk of adverse health outcomes. The aim of this review was to analyze the effects of multiple occupational exposures and coexposures to chemical, biomechanical, and physical hazards on adverse health outcomes among agricultural workers.</p> <p>Methods: Articles published in English between 1990 and 2015 were identified using five popular databases and two complementary sources. The quality of the included publications was assessed using the methodology developed by the Effective Public Health Practice Project assessment tool for quantitative studies.</p> <p>Results: Fifteen articles were included in the review. Multiple chemical exposures were significantly associated with an increased risk of respiratory diseases, cancer, and DNA and cytogenetic damage. Multiple physical exposures seemed to increase the risk of hearing loss, whereas coexposures to physical and biomechanical hazards were associated with an increased risk of musculoskeletal disorders among agricultural workers.</p> <p>Conclusion: Few studies have explored the impact of multiple occupational exposures on the health of agricultural workers. A very limited number of studies have investigated the effect of coexposures among biomechanical, physical, and chemical hazards on occupational health, which indicates a need for further research in this area.</p>
URL de la notice	http://okina.univ-angers.fr/publications/ua20151 [11]

DOI 10.1016/j.shaw.2018.04.002 [12]
Lien vers le document <https://www.sciencedirect.com/science/article/pii/S2093791117302561?via%...> [13]
Titre abrégé Saf Health Work
Identifiant (ID) 30370155 [14]
PubMed

Liens

- [1] <http://okina.univ-angers.fr/publications?f%5Bauthor%5D=30033>
- [2] <http://okina.univ-angers.fr/publications?f%5Bauthor%5D=30034>
- [3] <http://okina.univ-angers.fr/julie.bodin/publications>
- [4] <http://okina.univ-angers.fr/natacha.fouquet/publications>
- [5] <http://okina.univ-angers.fr/publications?f%5Bauthor%5D=30035>
- [6] <http://okina.univ-angers.fr/yves.roquelaure/publications>
- [7] <http://okina.univ-angers.fr/publications?f%5Bkeyword%5D=25943>
- [8] <http://okina.univ-angers.fr/publications?f%5Bkeyword%5D=25944>
- [9] <http://okina.univ-angers.fr/publications?f%5Bkeyword%5D=25945>
- [10] <http://okina.univ-angers.fr/publications?f%5Bkeyword%5D=25946>
- [11] <http://okina.univ-angers.fr/publications/ua20151>
- [12] <http://dx.doi.org/10.1016/j.shaw.2018.04.002>
- [13] <https://www.sciencedirect.com/science/article/pii/S2093791117302561?via%3Dihub>
- [14] <http://www.ncbi.nlm.nih.gov/pubmed/30370155?dopt=Abstract>

Publié sur *Okina* (<http://okina.univ-angers.fr>)